

1 BILL NO. S-82-03-07

2 SPECIAL ORDINANCE NO. S-58-82

3 AN ORDINANCE approving Change Order No. 1  
4 AWT - Phases A,B,C; EPA Project, Federal  
Grant No. C-180774-03 in connection with the  
5 Board of Public Works.

6 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF  
7 FORT WAYNE, INDIANA:

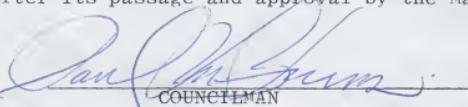
8 SECTION 1. That Change Order No. 1, AWT - Phases A, B,  
9 & C; EPA Project, Federal Grant No. C-180774-03 to Hagerman &  
10 Shambaugh, joint bidders, in connection with the Board of  
11 Public Works, for:

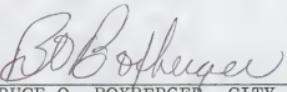
12 the revision of Item 1 - the 42 inch sludge  
13 holding tank effluent line; Item 2 - the  
14 five new secondary clarifier tanks; and  
15 Item 3 - the pond sludge pumping station  
hoisting system,

16 in the amount of \$18,723.00 to be deducted from Item 1; and  
17 \$25,800.00 to be deducted from Item 2; and \$142.00 to be added  
18 to Item 3, as set out in the specifications, which are on file  
19 in the Office of the Board of Public Works and are by reference  
20 incorporated herein and made a part hereof, be and the same is  
in all things ratified, confirmed and approved.

21 SECTION 2. That this Ordinance shall be in full force  
22 and effect from and after its passage and approval by the Mayor.

23 APPROVED AS TO FORM AND  
24 LEGALITY MARCH 5, 1982

 COUNCILMAN

25   
26 BRUCE O. BOXBERGER, CITY ATTORNEY

27  
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32

Read the first time in full and on motion by Burns,  
seconded by Ayer, and duly adopted, read the second time  
by title and referred to the Committee City Utilities (and the City  
Plan Commission for recommendation) and Public Hearing to be held after  
due legal notice, at the Council-Chambers, City-County Building, Fort Wayne,  
Indiana, on                   , 19          , at                    o'clock .M., E.S.T.

DATE: 3-9-82

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Read the third time, in full and on motion by Burns,  
seconded by Ayer, and duly adopted, placed on its  
passage. PASSED (LOSED) by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
<u>TOTAL VOTES</u>	<u>8</u>	<u>0</u>		<u>1</u>	
<u>BRADBURY</u>	<u>✓</u>				
<u>BURNS</u>	<u>✓</u>				
<u>EISBART</u>	<u>✓</u>				
<u>GiaQUINTA</u>	<u>✓</u>				
<u>NUCKOLS</u>	<u>also</u>			<u>X</u>	
<u>SCHMIDT</u>	<u>✓</u>				
<u>SCHOMBURG</u>	<u>✓</u>				
<u>STIER</u>	<u>✓</u>				
<u>TALARICO</u>	<u>✓</u>				

DATE: 3/23/82

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne,  
Indiana, as (ZONING MAP) (GENERAL) (ANNEXATION) (SPECIAL)  
(APPROPRIATION) ORDINANCE (RESOLUTION) NO. 3-58-82  
on the 23rd day of March, 1982.

ATTEST:

(SEAL)

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Samuel J. Talarico  
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on  
the 24th day of March, 1982, at the hour of  
11:30 o'clock A.M., E.S.T.

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 25th day of March  
1982, at the hour of 4 o'clock P.M., E.S.T.

Win Moses Jr.  
WIN MOSES, JR. - MAYOR

*Hall*

S-82-03-07  
BILL NO. \_\_\_\_\_

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN  
ORDINANCE approving Change Order No. 1 AWT - Phases A,B,C; EPA  
Project, Federal Grant No. C-180774-03 in connection with the  
Board of Public Works

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HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT  
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE do PASS.

PAUL M. BURNS - CHAIRMAN

MARK E. GIAQUINTA - VICE CHAIRMAN

JAMES S. STIER

JANET G. BRADBURY

ROY J. SCHOMBURG

*Paul M. Burns*  
*Mark E. GiaQuinta*

*Janet G. Bradbury*  
*Ry. Schomburg*

CONCURRED IN

DATE 3/23/82 CHARLES W. WESTERMAN, CITY CLERK

PROJECT Water Quality Control Project OWNER City of Fort Wayne, Indiana

DIVISION/SECTION AWT - Phases A, B and C (EPA Project No. C180774-03)

CHANGE ORDER NO. 1

TO: Hagerman-Shambaugh, Joint Bidders  
510 W. Washington Blvd. P.O. Box 106901  
Fort Wayne, Indiana 46853-0690

You are hereby authorized to make the following additions and/or deductions to your contract amount.

Previous Contract Amount	Increase	Decrease	Net Change (Deduct) <small>(Add)</small>	Revised Contract Amount
TOTAL \$ 12,938,000	\$ 142	\$ 44,523	\$ 44,381	\$ 12,893,619

Description of Change: Add      Deduct

Item No. 1

Provide all necessary labor and material to revise the 42-inch sludge holding tank effluent line as shown on revised plan sheet SH-1, and described as follows:

1. Completely delete construction of the new junction box.
  2. Delete the new 42" sluice gate.
  3. Delete all electrical work associated with the 42" sluice gate.
  4. Delete approximately 130 ft. of 42" D.I. effluent line.
  5. Add approximately 140 ft. of 18" D.I. effluent line.
  6. Add one 18" x 18" x 18" tee to connect effluent line to decant line.
  7. Add one 18" C.I. flap gate to the effluent end of the 18" D.I. pipe located in the existing chlorine contact tank diversion chamber.
- \$18,723.00

CHANGE ORDER NO. 1

PAGE 2

Description of Change:	Add	Deduct
------------------------	-----	--------

Item No. 2

Provide all necessary labor and material to make the following revisions to the five (5) new secondary clarifier tanks.

Delete the 4 x 4 stainless steel embedded angle and install the stainless steel weir plate direct to the concrete channel wall with stainless steel 1/2" x 4" drilled anchors, caulking the joint between the weir and concrete.

\$25,800.00

Item No. 3

Provide all necessary labor and material to make the following revisions in the pond sludge pumping station hoisting system.

1) Delete the 1/2-ton capacity hoist and trolley assembly as specified in Section D11-19.

2) Delete the 14-ft. long W6x8.5 support beam.

3) Add a 1-ton capacity hoist and trolley assembly. The assembly shall meet all specs. as detailed in Section D11-19.

4) Add a 14-ft. long W6x12 support beam.

\$142.00

Totals

\$142.00

\$44,523.00

Net Change - Deduct

\$44,381.00

## Note:

These changes will not affect the time of completion of the project.

## RECOMMENDED:

HOWARD NEEDLES TAMMEN &amp; BERGNEDOFF

By Roy H. Kocher  
 Title Project Mgr. Date 2/10/82

## ACCEPTED:

HAGERMAN-SHAMBAUGH, Joint Bidders  
 ACCEPTED FOX HAGERMAN CONSTRUCTION CORP.  
 CONTRACTOR

By John F. Hagerman  
 Title Pres. Date 2-9-82

ACCEPTED FOR SHAMBAUGH & SON, INC.  
 CONTRACTOR

By W. Z. Boll  
 Title Secy Date 2-9-82

## APPROVED:

CITY OF FORT WAYNE, INDIANA  
 OWNER

By Stephen A. Bailey  
Robert Anderson Staten  
 Stephen A. Bailey, Chairman  
 Roberta Anderson Staten, Member

Betty R. Collins, Member  
 BOARD OF PUBLIC WORKS

Date 2-17-82

Recommended for Payment  
 Department of Water Resources

Date 2/12/82 By W. Z. Boll

WATER QUALITY CONTROL PROJECT

AWT - PHASES A, B, & C  
CITY OF FORT WAYNE, INDIANA

JUSTIFICATION FOR CHANGE

CHANGE ORDER NO. 1

I. NECESSITY FOR CHANGE:

Item No. 1

The sludge holding tank was first designed to serve a dual purpose as both a pond sludge decant tank and as an AWT filter backwash decant tank. The 42-inch effluent line was sized to handle the peak backwash flow rate. When the filters were later deleted from the project, the sludge tank effluent line size was not altered for the flow rates of the pond sludge system. The revision will not limit the system hydraulically and will provide for cost savings.

Item No. 2

The imbedding of a steel angle in the concrete weir wall was designed into the secondary tank structures to assure that a true and regular surface would be available for installation of the effluent weir plate. In the absence of a pre-formed steel mating surface, an irregular concrete surface would cause major installation and, ultimately, sealing problems. Hagerman Construction has proven to be capable of forming and pouring a wall sufficiently true as to allow installation of a weir plate directly to a concrete surface, as they successfully accomplished on four (4) similar installations in the last expansion phase.

Item No. 3

The pond sludge pumping station hoist system was designed to handle any one of the component parts of the pumps. The 1/2 ton capacity was based upon available information which indicated that none of the parts weighed more than 1000 lbs. The actual weight of the pump motor is 1300 lbs., so the hoisting system must be revised to accommodate that weight.

II. WILL PROPOSED CHANGE ALTER SIZE OF PROJECT:

The proposed changes described herein will not significantly alter the existing design flow or size of this project.

Water Quality Control Project  
AWT - Phase A, B and C  
City of Fort Wayne, Indiana  
Justification For Change  
Change Order No. 1  
Page -2-

III. EFFECT ON OPERATION AND MAINTENANCE OF THIS PROJECT:

It is the Engineer's professional opinion that the above items will not adversely affect operability and maintenance at the plant.

IV. TIME OF COMPLETION:

These changes will not affect the time of completion of the project.

RECORDED

FFB 11 1982

HOWARD NEEDLES TAMMEN & BERGENDOFF

Water Resources Dept.

November 12, 1981

Hagerman-Shambaugh, Joint Bidders  
510 W. Washington Boulevard  
P.O. Box 10690  
Fort Wayne, Indiana 46853-0690

Attn: Mr. Jim Schafenacker

Re: Fort Wayne Water Quality Control Project  
Phases A, B & C - AWT Project  
Water Pollution Control Plant

Gentlemen:

In response to the question that was brought out during our meeting of September 15, 1981, concerning the conflict between the sludge tank effluent line and the sludge line, we are requesting a quote for a remedial change in contracted work.

Attached is a revised Sheet No. SH-1 which indicates the proposed change in the sludge holding tank effluent line. The changes are as follows:

1. Completely delete construction of the new junction box.
2. Delete the new 42" sluice gate.
3. Delete all electrical work associated with the 42" sluice gate.
4. Change the 42" D.I. effluent line to an 18" D.I. line.
5. Add one 18" x 18" x 18" tee to connect effluent line to decant line.
6. Add one 18" C.I. flap gate to the effluent end of the 18" D.I. pipe located in the existing chlorine contact tank diversion chamber.

Architects Engineers Planners • Formerly offices of H.B. Sleeg & Associates • P.O. Box 68567, 3333 Founders Lane, Indianapolis, Indiana 46298, 317 872-3700

Partners: H. C. Lamberton Jr PE, James F. Forn PE, Paul L. Heneman PE, Gerard F. Fox PE, William M. Wachter PE, George K. Evangian PE, Brianne Chiu PE, Charles T. Hennigan PE, Eggy B. Johnson PE, Daniel J. Watkins PE, Ralph E. Myers FAIA, Daniel J. Spiga PE, John L. Cotton PE, Francis X. Hart PE, Robert S. Compa PE, Donald A. Dupes PE, William Love AIA, William C. Merediz PE  
Associates: Daniel J. Appel PE, Robert W. Richards PE, Donald R. On PE, Frederick H. Sternberg PE, Robert B. Kolmar PE, Kendall T. Linnane LPA, John P. Shandley PE, Robert W. Smithers PE, Jack C. Thompson PE, Richard D. Beckman PE, John A. Egen Jr AIA, Lloyd H. Baker, Harry D. Belville PE, Ralph E. Rueben PE, Ced P. Coulom PE, Stephen G. Goddard PE, Harvey K. Hammond Jr PE, Stanley J. Marin PE, Robert D. Miller PE, Robert W. Alva Jr PE, Steven C. Gersten PE, Cary C. Goodman AIA, Walter Shatto PE, Gordon M. Staley Jr PE, James L. Tume Jr PE, Norman J. Boje PE, James O. Russell PE  
Offices: Alexandria VA, Atlanta, Baton Rouge, Boston, Cape Coral FL, Casper WY, Charleston SC, Charleston WV, Chicago, Cleveland OH, Denver CO, Indianapolis IN, Houston, Indianapolis, Jacksonville FL, Kansas City, Los Angeles, Miami, Milwaukee, Minneapolis, Newark DE, New York, Orlando FL, Philadelphia PA, Phoenix AZ, Phoenix, Seattle, Tampa, Tulsa, Manila, Rio de Janeiro

Hagerman-Shambaugh, Joint Bidders  
Fort Wayne, Indiana  
November 12, 1981  
Page -2-

If during your review of the proposed changes you recognize any problems or additional changes required which we have not addressed, please bring them to our attention.

In your quotation to comply with our proposed changes please break down your costs as much as possible so we may evaluate and expedite the change as quickly as possible.

If you need any further information concerning this subject, please contact our office.

Very truly yours,

HOWARD NEEDLES TAMMEN & BERGENDOFF



Ray H. Kocher, P.E.  
Project Manager

RHK/KAK/ad

cc: Mr. Phil Boller  
Mr. Neil Wisler  
Mr. Jim Harvey

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd - Phone 219-424-1470  
P. O. Box 10690

FORT WAYNE, INDIANA 46853

November 23, 1981

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
Indianapolis, IN 46268

NOV 23 1981

Attn: Mr. Robert Falk

11-3  
INDIANAPOLIS, IN

Re: City of Fort Wayne, Indiana  
Advanced Wastewater Treatment Phases A, B & C

Gentlemen:

As requested in your letter of November 12, 1981, we submit the following quotation for the proposed change in the sludge holding tank effluent line as indicated on your revised Sheet No. SH-1 (37):

1. Delete concrete (22 cu. yds.) and reinforcing steel.

	Material	Deduct	\$	1,889.00
Install		Deduct	\$	2,900.00

2. Delete fiberglass grating and support angles.

	Material	Deduct	\$	963.00
Install		Deduct	\$	280.00

3. Delete electrical hook up of gate motor number 44.

	Subcontract	Ded.	\$	450.00
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4. Revise piping (see Shambaugh's quote dated Nov. 23, 1981)

	Deduct	\$	11,455.00
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Total Deduct	\$	17,937.00
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This quotation is good for acceptance until January 31, 1982 and we would appreciate a reply as soon as possible in order to cancel orders.

We request no extension of time unless non-acceptance delays the field work.  
If you require additional information, please call at your earliest convenience.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By James A. Schafenacker

JAS:sw

c.c. Jack Line  
Donald Wilson

# Chambeaug & Son INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambeaug Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

November 23, 1981

Hagerman Construction Corporation  
510 W. Washington Blvd.  
P. O. Box 10690  
Fort Wayne, IN 46853

Attention: Jim Schafenacker

Reference: City of Ft. Wayne, Indiana  
Phase A, B & C  
Advance Wastewater Treatment  
Water Quality Control Project  
Job #6306  
C. R. #4

Gentlemen:

Reference revised drawing #37 and piping change we enclose our quote. The 18" decant line work remains essentially the same.

1. Deduct of original items.

	Mat'l	Install	Total
(a) 128' 42" D.I. pipe	\$ 8,352	\$4,554	\$12,906
(b) 42" & 18" Steel sleeves	498	324	822
(c) 42" & 18" Link seals	523	284	807
(d) Excavation & backfill (220 cy)	---	2,347	2,347
(e) 42" Sluice Gate & Thimble	<u>6,424</u>	<u>550</u>	<u>.6,974</u>
Total	\$15,797	\$8,059	\$23,856

2. New Work

	Mat'l	Install	Total
(a) 18" D.I. pipe 128'	\$2,087	\$4,406	\$ 6,493
(b) 18" Flap Valve & wall casting	2,046	270	2,316
(c) 18" MJ tee	871	120	991
(d) 18" Steel sleeve & link seal	174	80	254
(e) Excavation & Backfill	---	<u>2,347</u>	<u>2,347</u>
Total	\$5,178	\$7,223	\$12,401
Total Credit			\$23,856
Total Add			<u>12,401</u>
Net Credit			\$11,455

Hagerman Construction Corporation  
Mr. Jim Schafenacker  
November 23, 1981  
Page 2

This quote is good for acceptance until January 31, 1982, however, we would like to know as soon as possible so sluice gate may be cancelled.

Time Extension requested -- No time is requested provided we have acceptance by January 31, 1981.

Very truly yours,

SHAMBAUGH & SON, INC.

  
Ronald Hoke  
Project Manager

RH/tm

cc: Duane Cryer/Shambaugh & Son/Jobsite  
James F. Harvey/Shambaugh & Son/File

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd. Phone 219-424-1470  
P. O. Box 10690

Decmeber 11, 1981

FORT WAYNE, INDIANA 46853

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
P O Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Fort Wayne A.W.T.  
Phases A, B & C  
Revision to Quotation of November 23, 1981

Gentlemen:

We are sending you a copy of Shambaugh's revised quote changing item 4 of our quotation letter of November 23, 1981 from a deduct of \$11,445.00 to a deduct of \$11,977.00. This will change the total credit for changes indicated on revised Sheet No. SH-1 (37) from \$17,937.00 (quoted on November 23, 1981) to \$18,459.00.

As indicated in Shambaugh's attached letter, we would appreciate an early reply.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By James A. Schafenacker

JAS:sw  
Enc.

c.c. Jack Line  
Ronald Hoke

11/11/81  
11/11/81  
JAN 10 1982  
FILE BD  
ROUTE TO: DATE  
KAK

# Shambaugh & Son

INC. MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER  
137 Chambeau Road • P O Box 1287 • Fort Wayne Indiana 46801 • Phone (219) 484-0741

December 10, 1981

Hagerman Construction Corporation  
510 W. Washington Blvd.  
P. O. Box 10690  
Fort Wayne, IN 46853

Attention: Jim Schafenacker

Reference: City of Fort Wayne, Indiana  
Phase A, B & C  
Advanced Wastewater Treatment  
Water Quality Control Project  
Job #6306  
C.R. #4, Rev. #1

Gentlemen:

Reference revised drawing #37 and piping change we enclose our quote. The  
18" decant line work remains essentially the same.

1. Deduct of original items	Mat'l	Install	Total
(a) 128' 42" D.I. pipe	\$ 8,352	\$4,554	\$12,906
(b) 42" & 18" Steel sleeves	498	324	822
(c) 42" & 18" Link seals	523	284	807
(d) Excavation & backfill (220 cy)	---	2,347	2,347
(e) 42" Sluice Gate & Thimble	<u>8,566</u>	<u>550</u>	<u>9,116</u>
Total	\$17,937	\$8,059	\$25,998
2. New Work	Mat'l	Install	Total
(a) 18" D.I. pipe 128'	\$2,087	\$4,406	\$ 6,493
(b) 18" Flap Valve & wall casting	2,046	270	2,316
(c) 18" MJ tee	871	120	991
(d) 18" Steel sleeve & link seal	174	80	254
(e) Excavation & backfill	---	2,347	2,347
(f) Overhead, engineering & restocking charge	---	---	1,620
Total	\$5,178	\$7,223	\$14,021
Total Credit			\$25,998
Total Add			<u>14,021</u>
Net Credit. . . . .			\$11,977

Hagerman Construction Corporation  
Mr. Jim Schafenacker  
December 10, 1981  
Page 2

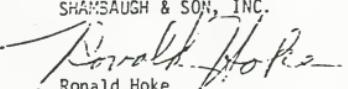
This quote is good for acceptance until January 31, 1982, however, we would like to know as soon as possible so sluice gate may be cancelled.

Time Extension Requested -- No time is requested provided we have acceptance by January 31, 1981.

The new 18" flap valve we are quoting is a flange style, IBBM.

Very truly yours,

SHAMBAUGH & SON, INC.

  
Ronald Hoke  
Project Manager

RH/tm

cc: Duane Cryer/Shambaugh & Son/Jobsite  
James F. Harvey/Shambaugh & Son/File

**W**

EQUIPMENT CO., INC.

NOV 1, 1981

5160 E. 65th ST. INDIANAPOLIS, INDIANA 46220 317/849-7942

November 17, 1981

Ron Hoke  
Shambaugh & Son, Inc.  
P. O. Box 1287  
Fort Wayne, Indiana 46801

*AFK* File  
Re: Fort Wayne, Indiana  
Your P.O. 6306-005-0129  
Rodney Hunt 18452-2

Ron:

Confirming our phone conversation of this date, we have been advised by Rodney Hunt that the deduct for deleting Item #4 in its entirety is \$8,566.00.

If we can be of further service, let us know.

Sincerely,

*Virginia*  
Virginia O'Connor

cc: HNTB (TAGERMAN) JOB

Complete Water Treatment and Water Pollution Control Equipment

HOWARD NEEDLES TAMMEN & BERGENDOFF

December 14, 1981

Hagerman-Shambaugh, Joint Bidders  
510 West Washington Boulevard  
Fort Wayne, Indiana 46853

Attn: Mr. Jim Schafenacker

Re: Fort Wayne, Indiana  
AWT Project, Phases A, B & C

**Gentlemen:**

This letter is confirmation of your telephone conversation on December 11, 1981 with Keith Kelsey of our office, regarding the change request in the sludge holding tank effluent line. In evaluating this item, we find no allowance made for deletion of instrumentation work for the sluice gate.

Also, we need to see a better breakdown of the electrical hook-up item.

Keith talked to Ron Hoke of Shambaugh & Son on December 9, 1981 and requested further documentation on the cost of the sluice gate. We will be able to complete our evaluation of this change when we receive this information.

Please call if you have any questions concerning this matter.

Very truly yours,

HOWARD NEEDLES TANMEN & BERGENDOFF

*P. H. Walker*

Paul E. Keefer P.E.

BUREAU OF INVESTIGATION

cc: Ron Hoke  
Jim Harvey  
Jack Lipe

Architects Eng. Servs. Engineers & Forensic Officers of N.B. Sisco & Associates, P.C., Box 58563, 2222 Euclid Avenue, Indianapolis, Indiana 46258, 317-222-2160.

Blazquez W, Clegg J, D'Onise P, Thompson PE, Rutherford D, Enwright PE, Scott A, Fisher J, AA, L, M, H, F, and Harris E, 1993, The effect of the *luteinizing hormone receptor gene* on the development of the gonadotropin system in the rat, *Endocrinology*, 134, 113-123.

**Cpt. F. Chavis** - Lt. Col. G. C. Johnson PE, Lt. Col. H. M. Morris Jr. PE, Capt. M. F. Pease, Capt. D. M. W. PE, Capt. J. E. Kline - Capt. C. Johnson PE  
**Cpt. C. Godwin** - Capt. P. J. Givens PE, Capt. S. H. Smith Jr. PE, Capt. J. Tatum Jr. PE, Capt. N. Manan, Capt. Bogi, Capt. Johnson, Capt. O. Russell PE  
**Officer Advisor** - Lt. Col. A. Aruma, Lt. Col. R. R. Roush, Capt. C. E. Casper Jr., Capt. W. S. Charleston, Capt. W. S. Chicago, Capt. C. D. Denner, Captain H. H. Anderson, Capt. J. B. Johnson, Capt. W. L. McLean, Capt. W. M. Mendenhall, Capt. W. V. McRae, Capt. W. W. Parsons, Capt. W. W. Williams

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd -Phone 219-424-1470  
P. O. Box 10590

December 28, 1981

FORT WAYNE, INDIANA 46853

Howard Needles Tammen & Bergendoff  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Fort Wayne A.W.T.  
Phases A, B & C  
Revision to Quotations of November 23rd  
and December 11, 1981

Gentlemen:

We amend our quotations of November 23rd and December 11, 1981 for  
the proposed change in the sludge holding tank effluent line as indicated  
on your revised Sheet No. SH-1 (37):

1. Credit for the instrumentation equipment (See Shambaugh's attached letter)	Deduct \$ 64.00
2. Credit for the instrumentation wiring and connections	Deduct \$ 200.00
Additional Credit	\$ 264.00
Credit from letter of December 11, 1981	\$18,459.00
Total credit for this change	\$18,723.00

The credit of \$650.00 for electrical and control wiring is for the deletion  
of conduit and wire from the pump building to the gate motor and deleting  
control connections. The control wiring from the pump building to the  
storm water building is part of a cable and was not deleted.

Please advise us if this is acceptable at an early date.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By *[Signature]*  
James A. Schafenacker

JAS:sw

c.c. Jack Line  
Ronald Hoke  
Bill Kerr

HNTB  
INDIANAPOLIS  
RECD 12-20-81  
JOB NO. \_\_\_\_\_  
FILE \_\_\_\_\_  
ROUTE TO: DATE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Shambaugh & Son

INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER  
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

December 18, 1981

Hagerman Construction Corporation  
510 W. Washington Blvd.  
P. O. Box 10690  
Fort Wayne, IN 46853

Attention: Jim Schafenacker

Reference: City of Ft. Wayne, IN  
Water Quality Control Project  
Advanced Wastewater Treatment  
Job #6306  
C.R. #4, Rev. #2

Gentlemen:

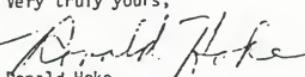
This is to advise we have checked with Robinson & Associates regarding any instrumentation credit on our part and have been advised the credit is \$64.

Therefore, add this \$64 to our letter of December 10, 1981, that shows a credit of \$11,977.

Our new total credit is \$12,041.00.

With this additional information, I hope Howard, Needles, Tammen & Bergendoff will advise us promptly.

Very truly yours,

  
Ronald Hoke  
Project Manager

RH/tm

cc: Bob Falk/HNTB/Indianapolis  
Duane Cryer/Shambaugh & Son/Jobsite  
James F. Harvey/Shambaugh & Son/File

*RECD 12/20/81*

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd. Phone 219-424-1470

P. O. Box 10690

January 15, 1982

FORT WAYNE, INDIANA 46853

Howard Needles Tammen & Bergendoff  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Fort Wayne A.W.T. Project

Gentlemen:

We are enclosing a copy of our quotation from Central Electric Contracting Co., Inc. for the deletion of the Sluice Gate #44 wiring for your file.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By James A. Schafenacker

JAS:sw  
Enc.

MNTB  
INDIANAPOLIS  
RECD 1/16/82  
JOB NO. 544-47-0  
FEP BD  
ROUTE TO: DATE  
RSE 1/8/82  
BHK  
KAK  
JAS  
JAS

**RECD-URGENT**

TO Hagerman Const. Co.

ATT: Tim Shafenacker

FROM CENTRAL ELECTRIC CONTRACTING CO., INC.  
TO 5420 DISTRIBUTION DRIVE, P.O. BOX 15565  
MESSAGE FORT WAYNE, INDIANA 46885

SUBJECT Ft. Wayne Water Quality Control Project DATE 1/14/82  
MESSAGE REVISE our price of Nov 20/1981 - Sluice Gate 44

Power Wiring 450.00 DEDUCT  
Control " 200.00 DEDUCT  
650.00 DEDUCT

Electrical work can be estimate better with a  
drawing.

SIGNED

Bernie Jones

REPLY

SIGNED

DATE / /

SEND PARTS 1 AND 3 WITH CARBON INTACT -  
PART 3 WILL BE RETURNED WITH REPLY.

## COST ANALYSIS

PROJECT FT. WAYNE AWT - PHASES A,B,&amp;C

SHEET NO. 1 of 1

CHANGE SLUDGE HOLDING TANK EFFLUENT LINE  
FROM 42" TO 18"

ESTIMATE NO. .

DATE Nov '81

QUANTITIES BY KAK	PRICES BY	EXTENSIONS BY				CHECKED BY RWP	Hargrove/Shanahan TOTAL
		ADD	18"	UNIT	TOTAL		
<b>EFFLUENT STRUCTURE</b>							
Concrete Class A		21.6	CT	250		5400	(4789)
Class B		2.5	CT	100		250	
<b>Excavation</b>							
42" (.55LFx10'x6')		122	CT	5 <sup>22</sup>		610	
18" (.55LFx10'x4')		BL	CT	5 <sup>22</sup>	405		(2347)
<b>Backfill</b>							2347
42" (.55x10'x6'-12CF/ft)		98	CT	5 <sup>22</sup>		490	
18" (.55x10'x4'-1.5CF/ft)		78	CT	5 <sup>22</sup>	234		
<b>Pipe</b>							
42" DI 130 LF		130	LF	110		14300	(12906)
18" DI 135 LF		135	LF	50	6750		6493
18x18xB Tee		9/5	LS	1 <sup>22</sup>	9/5		991
Sleeves 42"		2	LS			1375	(1629)
10"		3	LS	250	250	250	254
<b>SLOICE GATE</b>							
42"φ		1	LS	7000		7000.0	
Operator		1	LS	7500		7500.0	
Installation Labor		25	MH's	20		50.0	(550)
<b>FLAP GATE</b>							
18"		1	LS		2000		2046
Installation		12	MH's	20	240		210
<b>FIBERGLAS GRATING</b>		52	SF	20		1040	(1243)
<b>ELECTRICAL</b>		1	LS	500		500	(650)
<b>INSTRUMENTATION</b>		1	LS	100		100	(264)
					10824	39315	(20343)
					22351	33381	0.00
					28491		1620
							18723

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd • Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

November 16, 1981

RECEIVED

H.N.T.B.  
3333 Founders Lane  
Indianapolis, Indiana 46268

NOV 17 1981

Attn: Mr. Ray Kocher

AMERICAN  
INSTITUTE OF CIVIL ENGINEERS

Re: Advanced Wastewater Treatment Project  
Fort Wayne, Indiana

Gentlemen:

As requested, we submit the following changes for the above project:

Change the 4 x 4 stainless steel embedded angle at the weir plates to a 1/4 x 4 stainless steel bar and add a 1/4" neoprene gasket between the bar and the weir plate.

Deduct \$1,600.00

As an alternate, delete the 4 x 4 stainless steel embedded angle and install the stainless steel weir plate direct to the concrete and caulk the joint between the weir plate and concrete wall at the five secondary tank making the installation similar to the construction of the last four secondary tanks.

Deduct \$17,400.00

We appreciate your consideration on this change. If additional information is required, please call at your earliest convenience.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By *[Signature]*  
James A. Schafenacker

JAS:sw

c.c. Mr. Jim Harvey

RECORD OF  
TELEPHONE CALLJOB NO.  
5610-47-01

TO RYERSON STEEL OF \_\_\_\_\_  
 FROM KAK OF HNTB -

## SUBJECT DISCUSSED

## BUDGET COST PRICES

$4'' \times 4'' \times \frac{1}{4}'' L 304 S.S.$  - \$236.65 PER 100 lbs. ( $6.6^{\#}/LF$ )  
 $4'' \times \frac{1}{4}'' PL$  " " " 113.20 " " " ( $3.4^{\#}/LF$ )

EACH TANK REQ'D 360 LF OF ANGLE @  $6.6^{\#}/LF$  =  $\$2376^{\#}/TANK$   
 " " " " PLATE @  $3.4^{\#}/LF$  =  $\$122.4^{\#}/TANK$   
 $\$23.76/100^{\#} \times \$236.65/100^{\#} = \$562.2$  PER TANK  
 $\$12.24/100^{\#} \times \$113.20/100^{\#} = \$138.3$  PER TANK  
 $\$562.2 \times 5 TANKS = \$28110^{00}$   
 $\$138.3 \times 5 TANKS = \$6915^{00}$   
 $\$21,195$  DIFFERENCE

NOTE: COST OF MATER'LS IS BASE COST NO SHIPPING OR DISCOUNT

ACTION TO BE TAKEN

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd • Phone 219-424-1470  
P. O. Box 10690

FORT WAYNE, INDIANA 46853

December 8, 1981

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Advanced Wastewater Treatment  
Phases A, B & C  
Fort Wayne, Indiana  
Revised Quotation of November 16, 1981

12/10/81  
564-47-01  
ED

KAK

Gentlemen:

As requested, we submit the following revision to our quotation  
of November 16, 1981:

1. Change the 4 x 4 stainless steel embedded angle at the  
weir plates on the five secondary tanks (1800 lineal feet)  
to a 1/4 x 4 stainless steel bar and add a 1/4" neoprene  
gasket, field assembled, between the bar and the weir plate.

Credit from Almet (see attached letter)	\$ (7,683.00)
Add field install gasket	1,260.00
Net Deduct	<u>\$ 6,423.00</u>

2. As an alternate, delete the 4 x 4 stainless steel embedded angle  
and install the weir plate direct to the concrete wall with s.s.  
1/2" x 4" drilled anchors, caulking the joint, making the installation  
similar to the last four tanks.

Deduct	\$ 22,800.00
--------	--------------

If 1/4" neoprene gasket is added to the alternate above - Add \$6,200.00.

We appreciate your consideration on the above revised quotation and request  
a prompt reply.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By James A. Schafenacker

JAS:sw

c.c. Jack Line  
Jim Harvey  
Bill Kerr

# ALMET INC

Metal Fabricators

P. O. Box 346 • 300 Hartzell Road  
New Haven, Indiana 46774 • (219) 493-1556

December 4, 1981

1801 MAIN STREET  
LAFAYETTE, INDIANA 47901  
(219) 742-3114

Hagerman Construction  
P.O. Box 10690  
Fort Wayne, Indiana 46853-0690

RECEIVED

Attn: James A. Schafenacher  
Re: Fort Wayne S.T.P.  
Final Clarifier Alternate

ATTN:

Gentlemen:

Below is listed cost breakdown for original plan using 4 x 4 x  $\frac{1}{2}$  angle versus using  $\frac{1}{2}$  x 4 flat bar & neoprene gasket. In order to offer a better credit to the engineers we offer the bar & neoprene loose, not glued together as we had planned on the first go around.

90- 4 x 4  $\frac{1}{2}$  angle x 20'-0 to 22'-0 rolled to approximately  
125'-0 inside diameter leg out, delivered to Fort Wayne.  
11,853#

\$25,349.00

ALTERNATE:

90- $\frac{1}{2}$ x 4 Bar x 20'-0 6120#	113.20/cwt.	\$ 6,928.00
90- $\frac{1}{2}$ x 4 Neoprene x 20'-0	1.56/Ft.	\$ 2,808.00

EXTRA LABOR

Roll $\frac{1}{2}$ x 4 Bar 90 Pieces 1 Manhour Each 90 Hours At \$30.00	\$ 2,700.00
Layout & Punch Neoprene (Handwork)	\$ 2,160.00
Freight In On 6120#	\$ 70.00
Restocking Charge Of 4 x $\frac{1}{2}$ Angle	\$ 3,000.00
	<hr/>
	\$ 17,666.00

We offer a credit of \$7,683.00 under these conditions.

Very truly yours,  
*R. P. Greim*  
R. P. Greim  
President

RPG:cml  
Encl.

Inland Steel Company

Chicago, Illinois 60603  
P. O. Box 8000-A  
ADDRESS

May 14, 1981

R. W. Metz:sw  
Estimate Number: 4-A-47

Almet, Incorporated  
300 Hartzell Road  
New Haven, Indiana 46774

Attention: Mr. Dick Greim

Dear Dick:

Thank you for your inquiry of April 20 in which we are pleased to confirm the following price F.O.B. delivered New Haven, Indiana.

90 pcs. Angles Stainless Type 304, 4" x 4" x 1/4" 20'  
to 22' random lengths rolled leg out on a 125'  
inside diameter untrimmed.  
PRICE . . . . . \$25,349.00 Lot

Delivery approximately three weeks after receipt of an order.

We appreciate the opportunity of quoting on your steel requirements and look forward to receiving your order.

RECEIVED  
MAY 15 1981

ALMET, INC.  
JCB ACC OK

Terms of payment (Subject to the approval of the Credit Department).

All material and workmanship shall be in accordance with the foregoing specifications and ordinary mill and shop practice. See reverse side for general conditions of sale.

*R. W. Metz*  
Joseph T. Ryerson & Son, Inc.

Accepted \_\_\_\_\_

By \_\_\_\_\_

Date \_\_\_\_\_

# Hagerman Construction Corporation

GENERAL CONTRACTORS



December 28, 1981

Office 510 West Washington Blvd. Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: A.W.T. Phases A, B & C  
Fort Wayne, Indiana  
Revised Quotation of November 16, 1981 & December 8, 1981

Gentlemen:

We submit a revised quotation for changing the circular weir plate attachment to the effluent channel walls of the five new circular Secondary Tanks:

Delete the 4 x 4 stainless steel embedded angle and install the stainless steel weir plate direct to the concrete channel wall with stainless steel 1/2" x 4" drilled anchors, caulking the joint between the weir and concrete. This makes the installation of the weir plate similar to tanks #6, #7, #8 and #9.

Delete . \$25,800.00

We appreciate your consideration on the above revised quotation and request a prompt reply.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By \_\_\_\_\_  
James A. Schafenacker

JAS:ssw

c.c. Jack Line  
Jim Harvey  
Bill Kerr

HNTB  
INDIANAPOLIS  
REC'D 12-30-81  
JOB NO. \_\_\_\_\_  
FILE \_\_\_\_\_  
ROUTE TO: DATE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PROJECT FT. WAYNE AWT - PHASES A,B,&amp;C

DELETE STAINLESS STEEL ANGLE FROM FINAL

TANK WEIR WALL

QUANTITIES BY KAK

PRICES BY

EXTENSIONS BY

SHEET NO. 1 of 1

ESTIMATE NO.

DATE Nov '81

CHECKED BY R.W.P.

DESCRIPTION	QUANTITY	UNIT	UNIT	TOTAL	UNIT	HNTB	Haagman/Share TOTAL
Delete Angle (4x4x1/4" SS) 360 LF/Tank (6.6#/FT)	11,880	lbs	*	23445 (281.15)			(253.89) 30.00
Reduced labor 20 MH/Tank	100	MH	20	(200.0)			
Add 4x1/4" ss Plate Material (3.4%LF) labor (same as above)	6,120	lbs	*	1132 69.30 2000		Neoprene Gasket	962.8 196.8 26.0
Weir to concrete installation caulk weir plate 360 LF/Tank x 5	1800	FT	1.25	2250			
Delete Angle add Plate						(281.15) (2000) 69.30 2000 (211.85)	160.0 61.23
Delete Angle + Caulk Weir Plate to Concrete						25349 (281.15) (2000) 2250 (270.65) 2509.9	171.00 228.00 258.00

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd. Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

January 29, 1982

Howard Needles Tammen & Bergendoff  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: AWT - Fort Wayne, Indiana  
Sludge Pond Hoist

Gentlemen:

We submit the following quotations for changing the capacity of the sludge pond hoist. These do not reflect a change in the trolley beam size if that is necessary.

- |  |     |           |
|--|-----|-----------|
| 1. Change to a 1 ton hoist and trolley   | Add | \$ 142.00 |
| 2. Change to a 1 1/2 ton hoist & trolley | Add | \$ 369.00 |
| 3. Change to a 2 ton hoist and trolley   | Add | \$ 472.00 |

The above is for material change as quoted by our supplier and does not reflect any change in labor. The equipment would be the same specification as previously submitted but a different model number and capacity. Also there is no 3/4 ton capacity hoist available.

Please respond as soon as possible so we can change this order without incurring additional costs.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By *James Schafenacker*  
James Schafenacker

JS:sw

c.c. Jack Line  
Jim Harvey  
William Kerr

TITLE OF ORDINANCE Water Quality Control Project; AWT - Phases A,B,& C; C-180774-03

DEPARTMENT REQUESTING ORDINANCE Board of Public Works

J-82-03-07

SYNOPSIS OF ORDINANCE Change Order #1, Water Quality Control Project, AWT - Phases

A,B,& C, EPA Project # C-180774-03, Hagerman-Shambaugh, Joint Bidders.

This change order will provide all the necessary labor and material to revise:

Item 1 - the 42 inch sludge holding tank effluent line;

Item 2 - the five new secondary clarifier tanks;

Item 3 - the pond sludge pumping station hoisting system.

These changes will not affect the time of completion of the project.

EFFECT OF PASSAGE The above changes can be made.

EFFECT OF NON-PASSAGE The corrections to this project cannot be completed.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) Item 1 - Deduct \$18,723.00; Item 2 -

Deduct \$25,800.00; Item 3 - Add \$142.00; Net Change - Deduct \$44,381.00.

ASSIGNED TO COMMITTEE